

BASF Aktiengesellschaft

January 29, 2001  
NAE19990412US IB/HN/cv

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**We claim:**

1. A process for working up hydroxylamine-containing solutions, in particular from the electronics industry, wherein the hydroxylamine is stripped from the hydroxylamine-containing solution with steam.
2. A process as claimed in claim 1, wherein the solution is passed into a rectification column and the hydroxylamine is stripped by the countercurrent method with steam, a top product comprising aqueous hydroxylamine and a bottom product being obtained.
3. A process as claimed in claim 2, wherein the top product is condensed and is partly recycled to the rectification column, a reflux ratio of less than 0.5 being chosen.
4. A process as claimed in claim 2, wherein the rectification column is operated at from 0.1 to 1.0, preferably at from 0.8 to 1.0, atmosphere.
5. A process as claimed in claim 2, wherein some of the bottom product is vaporized again by means of an evaporator and the vaporous fractions are recycled to the rectification column.
6. A process as claimed in claim 2, wherein water is added to the liquid phase of the rectification column, preferably passed into the bottom of the rectification column.